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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/757,856	
	Filing Date	01/11/2001	
	First Named Inventor	Flanders	
	Group Art Unit	3742	
	Examiner Name	Jeffery, John A.	
Total Number of Pages in This Submission	6	Attorney Docket Number	1028.co

**ENCLOSURES** (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☒ Amendment / Reply
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GROUP 3700

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In Re: Flanders, *et al.*

Serial No: 09/757,856

Group: 3742

Filed: January 11, 2001

Examiner: Jeffery, John A.

For: Method and System for Feedback Control of  
Optical Fiber Lens Fusing**AMENDMENT UNDER RULE 111**Assistant Commission for Patents  
Washington, D.C. 20231

Sir:

In response to the pending Office Action, mailed January 16, 2002 (Paper No. 4), Applicants hereby amend the above-captioned application and request reconsideration in view of the following remarks.

**In the Claims:**

*Please cancel claim 13 and amend claims 1, 2, 8, and 10, as follows:*

1. (amended) A method for fusing an optical fiber lens, comprising:  
injecting light into an optical fiber;  
detecting a diffraction pattern of the light exiting from a fiber lens at a proximal end of the optical fiber; and  
electro-fusing the fiber lens in response to a two-dimensional distribution of the diffraction pattern.
2. (amended) A method as claimed in claim 1, wherein the step of injecting the light into the optical fiber comprises energizing a laser that is coupled to a distal end of the optical fiber.
8. (amended) A system for fusing an optical fiber lens, comprising:  
a light source that injects light into an optical fiber;